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Residential ADSL solution for VoIP and wireless networking

Product Highlights

› **Single CPE, Multiple Solutions**
The Siemens Gigaset SX541 provides broadband, routing, VoIP and a full range of networking options all within one device. Seamless, standards-based wireless networking interoperates with other 802.11g or 802.11b compliant networks and devices, with broadband speeds up to 54Mbps. The SX541 Gateway offers PC networking and Internet access for up to 253 computers and includes ADSL, LAN, WLAN, USB, PSTN or VoIP interface options. The integrated USB host interface provides built-in file sharing and printer server capabilities. These advanced features of the SX541 Gateway enable Service Providers to offer streaming content directly to a subscribers' TV or audio center via LAN or WLAN.

› **Subscriber Choice in Telephone Service**
Service Providers can now offer subscribers a choice in their telephone service via fixed-line or VoIP using existing phone equipment through the gateway's simple plug and play feature. The SX541 Gateway's functionality includes call routing to connected analog telephone devices, call forwarding, call waiting, and other popular voice features. Emergency calls can be routed via the traditional analog telephony line as default. Two phones can be connected to the SX541 Gateway through it's two FXS ports and wireless handsets through the 802.11g/b WLAN interface. Although the Gigaset SX541 Gateway is always on, it offers low energy consumption resulting in lower costs for subscribers.

Features and Benefits

- Wireless router for Internet access of several PCs simultaneously
- Fast wireless networking compliant to standard IEEE 802.11g up to 54Mbps
- Integrated ADSL-modem
- WEP, WPA and WPA2 encryption for wireless security
- 1 port for analog fixed network (a/b)
- 2 ports for analog devices internally (telephone; fax, answering machine)
- 4 Ethernet ports
- USB 1.1 host port for printer or mass storage device
- Powerful security and firewall functions
- Easy installation and setup
- Software and manual available in multi languages
- Integrated SIP client
- Dynamic DNS support
- UPnP support
- Virtual Server
- Port Forwarding
- Internet Time Client
- Save and Restore of user settings and restore to factory defaults
- Remote and local management support

Gigaset SX541

VoIP, WLAN and DSL Gateway

Gigaset

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Technical Specifications

Routing and Bridging
- ATM Forum UNI 3.1/4.0 Permanent Virtual Circuits (PVCs)
- UBR with traffic shaping
- RFC2684 LLC Encapsulation and VC multiplexing over AAL5
- RFC2364 Point-to-Point Protocol (PPP) over AAL5
- RFC2516 PPP over Ethernet: support relay (transparent forwarding) and client functions
- Virtual Private Network Pass-through – PPTP, L2TP, IPSec
- DHCP Server, HTTP, DNS relay, RIPv1/v2, SNMPv1/v2c
- PPPoE, dynamic/static IP for bridge model
- UPnP Support and Dynamic DNS Support

Management and Monitoring
- With Java Script-capable Internet-Browser (i.e. MS Internet Explorer V6.05, Netscape Navigator 7.1, Opera 7.0 or later)
- Simple setup through a browser-based user interface, including advanced security settings
- Telnet
- GUI interface and online help available in multi-languages
- Product architecture designed to accommodate TR-069 management standards

Wireless
- WPA, WPA2, 64/128 Bit WEP Encryption, SSID, IEEE 802.1X, MAC-Filter
- Coverage Range: Up to 300m outdoors, Up to 30 m indoors
- 2 external adjustable antennas
- Frequency band 2,400–2,4835MHz (ISM), DSSS,CCK, OFDM Modulation
- Radiated power 100mW maximum

Security and Firewall Features
- NAT, Stateful Packet Inspection (SPI), DoS
- Blocking, Intrusion, Detection
- Remote Management Control
- DMZ support

Interfaces
- Ports for analog fixed line (POTS) – 1x RJ-11 (TBR21) further country specifications by request
- Ports for analog devices – 2x RJ-11
- WAN Interface RJ-11
- LAN Interface – Integrated 4-port switch, 10Base-T/100Base-TX auto sensing, MID/MDIX auto detection, RJ-45
- USB Host V1.1 for printer or mass storage (FAT32)

Power
- External power supply, Input is country specific AC Output 12V/1000 mA DC

Physical and Environmental Features
- Temperature Range – Operating: 0 to 45°C, Storage: -40 to +70°C
- Dimension and weight – L 221 mm x W 149mm x H 33mm, ca. 600g
- Humidity: 5% – 90% (non-condensed)
- Reset-button

Visual LED Indicators
- Power
- DSL
- Online
- WLAN (WLAN connection to other clients)
- LAN1-LAN4 (Ethernet-connections)
- Line
- Phone 1,2
- USB
- VoIP

Standards Compliance
- Wireless LAN: IEEE 802.11g, backwards compatible to IEEE 802.11b
- Ethernet: IEEE 802.3 (10 base-T)
- Fast Ethernet: IEEE 802.3u (100 base-TX)
- ADSL: ITU G.992.1 (G.dmt), G.992.2 (G.lite), G.992.3 (ADSL2), G.992.5 (ADSL 2+) ITU G.994.1 (G.hs), including dying gasp support

Certifications
- CE-approved to R&TTE-Regulation
- Further country specific approvals by request

Miscellaneous Features
- Virtual Server
- Port Forwarding
- Internet Time Client
- Save and restore of user settings and restore to factory defaults

Model SX541 - back panel

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Siemens Home and Office Communication Devices GmbH & Co. KG,
St.-Martin-Strasse 47, 81541 Munich, Germany.
http://subscriber.communications.siemens.com

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